



TORQ Analysis of Truck Drivers, Heavy and Tractor-Trailer to Refuse and Recyclable Material Collectors




INPUT SECTION:

Transfer	Title	O*NET	Filters		
From Title:	Truck Drivers, Heavy and Tractor-Trailer	53-3032.00	Abilities:	Importance Level: 50	Weight: 1
To Title:	Refuse and Recyclable Material Collectors	53-7081.00	Skills:	Importance Level: 69	Weight: 1
Labor Market Area:	Maine Statewide		Knowledge:	Importance Level: 69	Weight: 1

OUTPUT SECTION:

Grand TORQ:




























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Ability TORQ				Skills TORQ				Knowledge TORQ			
Level		70		Level		90		Level		84	
Gaps To Narrow if Possible				Upgrade These Skills				Knowledge to Add			
Ability	Level	Gap	Impt	Skill	Level	Gap	Impt	Knowledge	Level	Gap	Impt
Speech Recognition	39	9	56	No Skills Upgrade Required!				Customer and Personal Service	57	17	70
Speech Clarity	39	4	50								
Control Precision	50	2	59								
Inductive Reasoning	34	1	50								

LEVEL and IMPT (IMPORTANCE) refer to the Target Refuse and Recyclable Material Collectors. GAP refers to level difference between Truck Drivers, Heavy and Tractor-Trailer and Refuse and Recyclable Material Collectors.

ASK ANALYSIS

Ability Level Comparison - Abilities with importance scores over 50

Description	Truck Drivers, Heavy and Tractor-Trailer	Refuse and Recyclable Material Collectors	Importance
Multilimb Coordination	46 	44 	62 
Control Precision	48 	50 	59 
Near Vision	45 	35 	59 
Oral Comprehension	47 	44 	56 
Oral Expression	48 	39 	56 
Problem Sensitivity	36 	32 	56 
Depth Perception	51 	39 	56 
Speech Recognition	30 	39 	56 
Arm-Hand Steadiness	35 	34 	53 



Manual Dexterity	42	39	53
Static Strength	75	44	53
Written Comprehension	44	30	50
Deductive Reasoning	40	34	50
Inductive Reasoning	33	34	50
Information Ordering	42	35	50
Selective Attention	34	34	50
Reaction Time	70	37	50
Far Vision	53	34	50
Speech Clarity	35	39	50
Skill Level Comparison - Abilities with importance scores over 69			
Description	Truck Drivers, Heavy and Tractor-Trailer	Refuse and Recyclable Material Collectors	Importance
Knowledge Level Comparison - Knowledge with importance scores over 69			
Description	Truck Drivers, Heavy and Tractor-Trailer	Refuse and Recyclable Material Collectors	Importance
Customer and Personal Service	40	57	70

Experience & Education Comparison							
Related Work Experience Comparison				Required Education Level Comparison			
Description		Truck Drivers, Heavy and Tractor-Trailer	Refuse and Recyclable Material Collectors	Description		Truck Drivers, Heavy and Tractor-Trailer	Refuse and Recyclable Material Collectors
10+ years		0%	0%	Doctoral		0%	0%
8-10 years		0%	0%	Professional Degree		0%	0%
6-8 years		0%	0%	Post-Masters Cert		0%	0%
4-6 years		5%	0%	Master's Degree		0%	0%
2-4 years		1%	4%	Post-Bachelor Cert		0%	0%
1-2 years		71%	15%	Bachelors		0%	0%
6-12 months		10%	14%	AA or Equiv		0%	0%
3-6 months		0%	0%	Some College		3%	0%
1-3 months		0%	20%	Post-Secondary Certificate		21%	8%
0-1 month		1%	8%	High Scool Diploma or GED		53%	54%
None		9%	36%	No HSD or GED		22%	37%
Truck Drivers, Heavy and Tractor-Trailer				Refuse and Recyclable Material Collectors			
Most Common Educational/Training Requirement:							
Moderate-term on-the-job training				Short-term on-the-job training			
Job Zone Comparison							
2 - Job Zone Two: Some Preparation Needed				2 - Job Zone Two: Some Preparation Needed			



Some previous work-related skill, knowledge, or experience may be helpful in these occupations, but usually is not needed. For example, a teller might benefit from experience working directly with the public, but an inexperienced person could still learn to be a teller with little difficulty.

These occupations usually require a high school diploma and may require some vocational training or job-related course work. In some cases, an associate's or bachelor's degree could be needed.

Employees in these occupations need anywhere from a few months to one year of working with experienced employees.

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Tasks

Truck Drivers, Heavy and Tractor-Trailer

Core Tasks

Generalized Work Activities:

- Operating Vehicles, Mechanized Devices, or Equipment - Running, maneuvering, navigating, or driving vehicles or mechanized equipment, such as forklifts, passenger vehicles, aircraft, or water craft.
- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.
- Identifying Objects, Actions, and Events - Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.
- Performing General Physical Activities - Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.

Specific Tasks

Occupation Specific Tasks:

- Check all load-related documentation to ensure that it is complete and accurate.
- Check conditions of trailers after contents have been unloaded to ensure that there has been no damage.
- Check vehicles before driving them to ensure that mechanical, safety, and emergency equipment is in good working order.
- Climb ladders to inspect loads after loading is complete, in order to ensure that cargo is secure.
- Collaborate with other drivers as part of a driving team on some trips.
- Collect delivery instructions from appropriate sources, verifying instructions

Refuse and Recyclable Material Collectors

Core Tasks

Generalized Work Activities:

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- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Performing General Physical Activities - Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.
- Communicating with Supervisors, Peers, or Subordinates - Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.
- Handling and Moving Objects - Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.

Specific Tasks

Occupation Specific Tasks:

- Clean trucks and compactor bodies after routes have been completed.
- Communicate with dispatchers concerning delays, unsafe sites, accidents, equipment breakdowns, and other maintenance problems.
- Dismount garbage trucks to collect garbage and remount trucks to ride to the next collection point.
- Drive to disposal sites to empty trucks that have been filled.
- Drive trucks along established routes through residential streets and alleys, or through business and industrial areas.
- Fill out any needed reports for defective



and routes.

- Couple and uncouple trailers by changing trailer jack positions, connecting or disconnecting air and electrical lines, and manipulating fifth-wheel locks.
- Crank trailer landing gear up and down to safely secure vehicles.
- Drive trucks to weigh stations before and after loading and along routes, in order to document weights and to comply with state regulations.
- Drive trucks with capacities greater than 3 tons, including tractor-trailer combinations, in order to transport and deliver products, livestock, or other materials.
- Follow appropriate safety procedures when transporting dangerous goods.
- Follow special procedures related to specific cargo, such as checking refrigeration systems when carrying frozen foods, or providing food and water when carrying livestock.
- Give directions to laborers who are packing goods and moving them onto trailers.
- Install and remove special equipment such as tire chains, grader blades, plow blades, and sanders.
- Inventory and inspect goods to be moved, in order to determine quantities and conditions.
- Load and unload trucks, or help others with loading and unloading, operating any special loading-related equipment on vehicles and using other equipment as necessary.
- Maintain logs of working hours and of vehicle service and repair status, following applicable state and federal regulations.
- Maneuver trucks into loading or unloading positions, following signals from loading crew as needed; check that vehicle position is correct and any special loading equipment is properly positioned.
- Obtain receipts or signatures when loads are delivered, and collect payment for services when required.
- Operate equipment such as truck cab computers, CB radios, and telephones to exchange necessary information with bases, supervisors, or other drivers.
- Operate trucks equipped with snowplows and sander attachments to maintain roads in winter weather.
- Perform basic vehicle maintenance tasks such as adding oil, fuel, and radiator fluid, or performing minor repairs.
- Perform emergency roadside repairs such as changing tires and installing light bulbs, tire chains, and spark plugs.
- Place empty carts and pallets in trailers so they will be available to facilitate placement and movement of goods.

equipment.

- Inspect trucks prior to beginning routes to ensure safe operating condition.
- Keep informed of road and weather conditions to determine how routes will be affected.
- Operate automated or semi-automated hoisting devices that raise refuse bins and dump contents into openings in truck bodies.
- Operate equipment that compresses the collected refuse.
- Organize schedules for refuse collection.
- Provide quotes for refuse collection contracts.
- Refuel trucks and add other necessary fluids, such as oil.
- Sort items set out for recycling and throw materials into designated truck compartments.
- Tag garbage or recycling containers to inform customers of problems such as excess garbage or inclusion of items that are not permitted.

Detailed Tasks

Detailed Work Activities:

- drive truck with capacity greater than 3 tons
- load, unload, or stack containers, materials, or products
- move or fit heavy objects
- use truck-mounted hydraulic lifts or other accessories
- use two-way radio or mobile phone

Technology - Examples



- Read and interpret maps in order to determine vehicle routes.
- Read bills of lading to determine assignment details.
- Remove any debris from trailers after loading is completed.
- Report vehicle defects, accidents, traffic violations, or damage to the vehicles.
- Secure cargo for transport, using ropes, blocks, chain, binders, and/or covers.
- Wrap goods using pads, packing paper, and containers, and secure loads to trailer walls, using straps.

Detailed Tasks

Detailed Work Activities:

- collect payment
- direct and coordinate activities of workers or staff
- drive tractor-trailer truck
- drive truck with capacity greater than 3 tons
- examine vehicle to detect malfunctions, damage, or maintenance needed
- follow traffic laws
- load, unload, or stack containers, materials, or products
- maintain driver log according to I.C.C. regulations
- maintain or repair cargo or passenger vehicle
- maintain records, reports, or files
- move or fit heavy objects
- operate cleaning equipment
- perform safety inspections in transportation setting
- prepare reports
- prepare safety reports
- read maps
- service vehicle with water, fuel, or oil
- transport passengers or cargo
- use established traffic or transportation procedures
- use geographic positioning system (GPS)
- use local or regional geographical knowledge to transportation
- use truck-mounted hydraulic lifts or other accessories
- use two-way radio or mobile phone
- use vehicle repair tools or safety equipment
- use weighing or measuring devices in transportation
- verify cargo against shipping papers
- work as a team member
- wrap products



Technology - Examples

Data base user interface and query software

- Easy Trucker software
- Fog Line Software Truckn2004
- Truckers Helper software

Inventory management software

- Computerized inventory tracking software

Route navigation software

- ALK Technologies PC*Miler
- MarcoSoft Quo Vadis

Tools - Examples

- Compressors
- Blocks and tackle
- Flatbed trucks
- Pup trailers
- Trucks greater than 26000 pounds
- Dump trucks
- Lowboy trailers
- Forklifts
- Global positioning system GPS devices
- Handtrucks
- Cargo hoists
- Handlifts
- Satellite linkup systems
- Personal digital assistants PDA
- Refuse collection trucks
- Plow attachments
- Boom trucks
- On-board computers
- 4-ranger tower trucks
- Sliding fifth wheels
- Two way radios
- Wheeled loaders



- Winches

Labor Market Comparison

Description	Truck Drivers, Heavy and Tractor-Trailer	Refuse and Recyclable Material Collectors	Difference
Median Wage	\$ 31,140	\$ 22,780	\$(8,360)
10th Percentile Wage	\$ 21,630	\$ 15,690	\$(5,940)
25th Percentile Wage	N/A	N/A	N/A
75th Percentile Wage	\$ 39,070	\$ 28,570	\$(10,500)
90th Percentile Wage	\$ 48,350	\$ 33,230	\$(15,120)
Mean Wage	\$ 33,190	\$ 23,640	\$(9,550)
Total Employment - 2007	9,940	930	-9,010
Employment Base - 2006	11,827	1,343	-10,484
Projected Employment - 2016	12,184	1,356	-10,828
Projected Job Growth - 2006-2016	3.0 %	1.0 %	-2.1 %
Projected Annual Openings - 2006-2016	246	37	-209

National Job Posting Trends

Trend for Truck Drivers, Heavy and Tractor-Trailer

Trend for
Refuse
and
Recyclable
Material
Collectors



Job Trends from Indeed.com

— Truck Driver — Refuse and Recyclable Material Collector



Data from [Indeed](http://Indeed.com)

Recommended Programs

No program data for the occupation.

Maine Statewide Promotion Opportunities for Truck Drivers, Heavy and Tractor-Trailer

O* NET Code	Title	Grand TORQ	Job Zone	Employment	Median Wage	Difference	Growth	Annual Job Openings
53-3032.00	Truck Drivers, Heavy and Tractor-Trailer	100	2	9,940	\$31,140.00	\$0.00	3%	246
53-4011.00	Locomotive Engineers	76	4	100	\$59,580.00	\$28,440.00	12%	4
43-5041.00	Meter Readers, Utilities	74	1	90	\$31,240.00	\$100.00	-11%	3
47-4061.00	Rail-Track Laying and Maintenance Equipment Operators	73	1	120	\$36,960.00	\$5,820.00	8%	4
53-7032.00	Excavating and Loading Machine and Dragline Operators	73	2	330	\$32,160.00	\$1,020.00	6%	8
37-3013.00	Tree Trimmers and Pruners	73	2	0	\$38,080.00	\$6,940.00	0%	0
43-5052.00	Postal Service Mail Carriers	73	1	1,730	\$43,190.00	\$12,050.00	-3%	50
53-7021.00	Crane and Tower Operators	72	3	240	\$41,940.00	\$10,800.00	-2%	4



47-5021.00	Earth Drillers, Except Oil and Gas	71	3	140	\$37,470.00	\$6,330.00	2%	4
43-5053.00	Postal Service Mail Sorters, Processors, and Processing Machine Operators	70	2	970	\$41,950.00	\$10,810.00	-12%	10
47-2073.00	Operating Engineers and Other Construction Equipment Operators	69	3	2,110	\$31,990.00	\$850.00	6%	53
53-1011.00	Aircraft Cargo Handling Supervisors	69		20	\$44,750.00	\$13,610.00	13%	0
51-4121.06	Welders, Cutters, and Welder Fitters	68	2	1,610	\$38,030.00	\$6,890.00	7%	49
47-2151.00	Pipelayers	67	2	60	\$33,170.00	\$2,030.00	8%	3
49-3031.00	Bus and Truck Mechanics and Diesel Engine Specialists	67	3	1,180	\$34,210.00	\$3,070.00	6%	34

Top Industries for Refuse and Recyclable Material Collectors

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Waste collection	562100	32.50%	44,187	50,140	13.47%
Waste treatment and disposal	562200	15.26%	20,746	23,452	13.05%
Self-employed workers, primary job	000601	5.78%	7,861	7,537	-4.12%
Remediation and other waste management services	562900	2.12%	2,885	3,434	19.02%
Miscellaneous durable goods merchant wholesalers	423900	0.99%	1,342	1,387	3.32%
General freight trucking	484100	0.91%	1,242	1,264	1.80%
Specialized freight trucking	484200	0.48%	654	662	1.37%
Private households, primary jobs	814100	0.44%	594	555	-6.41%
Self-employed workers, secondary job	000602	0.28%	382	343	-10.41%
Postal service	491100	0.14%	186	170	-8.38%
Colleges, universities, and professional schools, public and private	611300	0.11%	156	157	0.69%
Vocational rehabilitation services	624300	0.10%	135	148	9.63%
Other support services	561900	0.10%	138	170	23.30%
Management of companies and enterprises	551100	0.07%	101	105	3.75%
General medical and surgical hospitals, public and private	622100	0.06%	84	84	-0.36%



Top Industries for Truck Drivers, Heavy and Tractor-Trailer

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
General freight trucking	484100	31.71%	589,766	667,086	13.11%
Specialized freight trucking	484200	12.05%	224,032	252,341	12.64%
Self-employed workers, primary job	000601	8.51%	158,317	168,666	6.54%
Cement and concrete product manufacturing	327300	4.17%	77,512	84,135	8.55%
Grocery and related product wholesalers	424400	3.31%	61,617	67,377	9.35%
Other specialty trade contractors	238900	2.59%	48,100	53,161	10.52%
Employment services	561300	2.24%	41,689	52,763	26.56%
Support activities for road transportation	488400	1.73%	32,238	35,449	9.96%
Waste collection	562100	1.60%	29,808	37,582	26.08%
Warehousing and storage	493100	1.55%	28,770	38,426	33.57%
Couriers	492100	1.49%	27,785	29,858	7.46%
Highway, street, and bridge construction	237300	1.45%	26,980	29,048	7.66%
Lumber and other construction materials merchant wholesalers	423300	1.30%	24,253	27,857	14.86%
Building material and supplies dealers	444100	1.20%	22,263	28,450	27.79%
Local government, excluding education and hospitals	939300	1.17%	21,759	24,444	12.34%